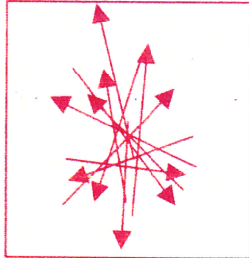
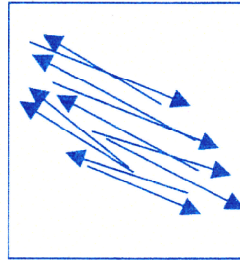


**STRATAGIES FOR VESSEL POSITIONING  
DURING REPEATED DREDGED MATERIAL DISPOSAL  
TO REDUCE MOUNDING**



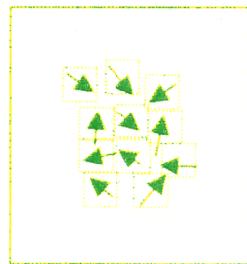
**Scenario 1. Uniform placement,  
with random vessel heading.**

**High potential for overlapping disposal lanes.**



**Scenario 2. Uniform placement,  
with uniform vessel heading.**

**Reduced potential for overlapping disposal lanes.**



**Scenario 3. Uniform placement, dumping contained  
within assigned "cells".**

**Attachment 1**

**Minimal potential for overlapping disposal lanes.**



# Bathymetry of MCR and Vicinity

Composite of 2000 Surveys

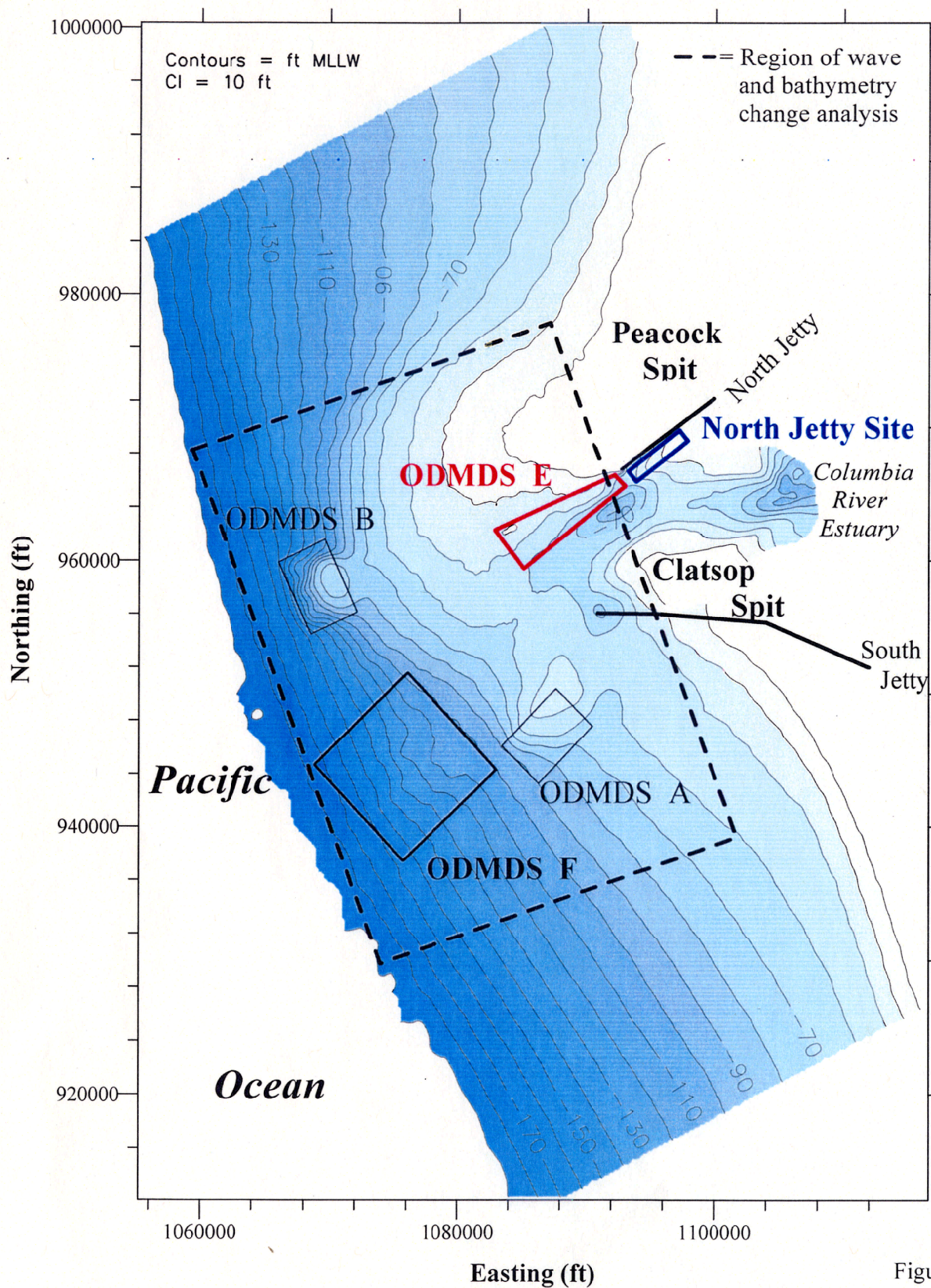


Figure 1



# *Project Baseline Bathymetry for ODMDS E*

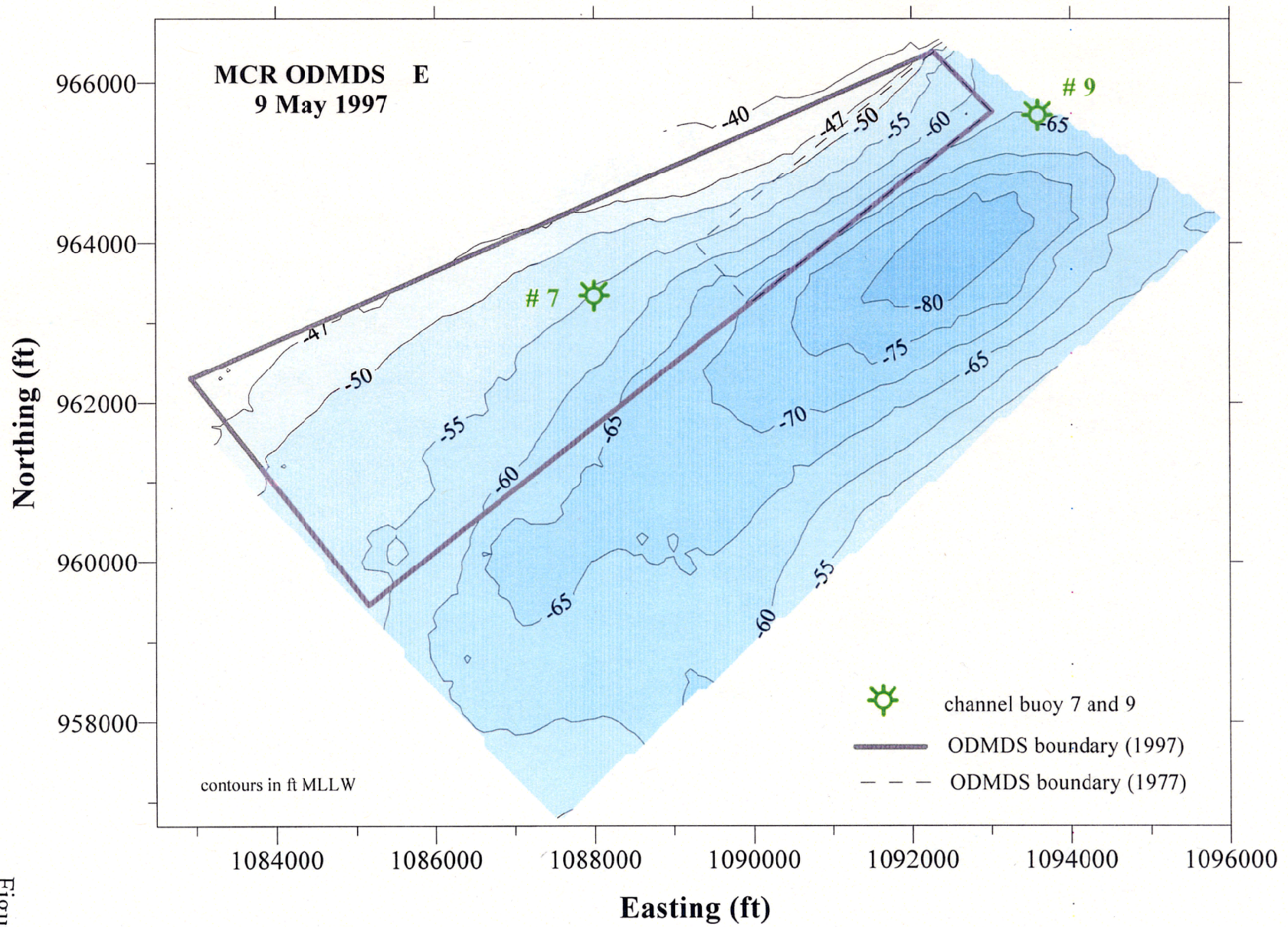


Figure 2



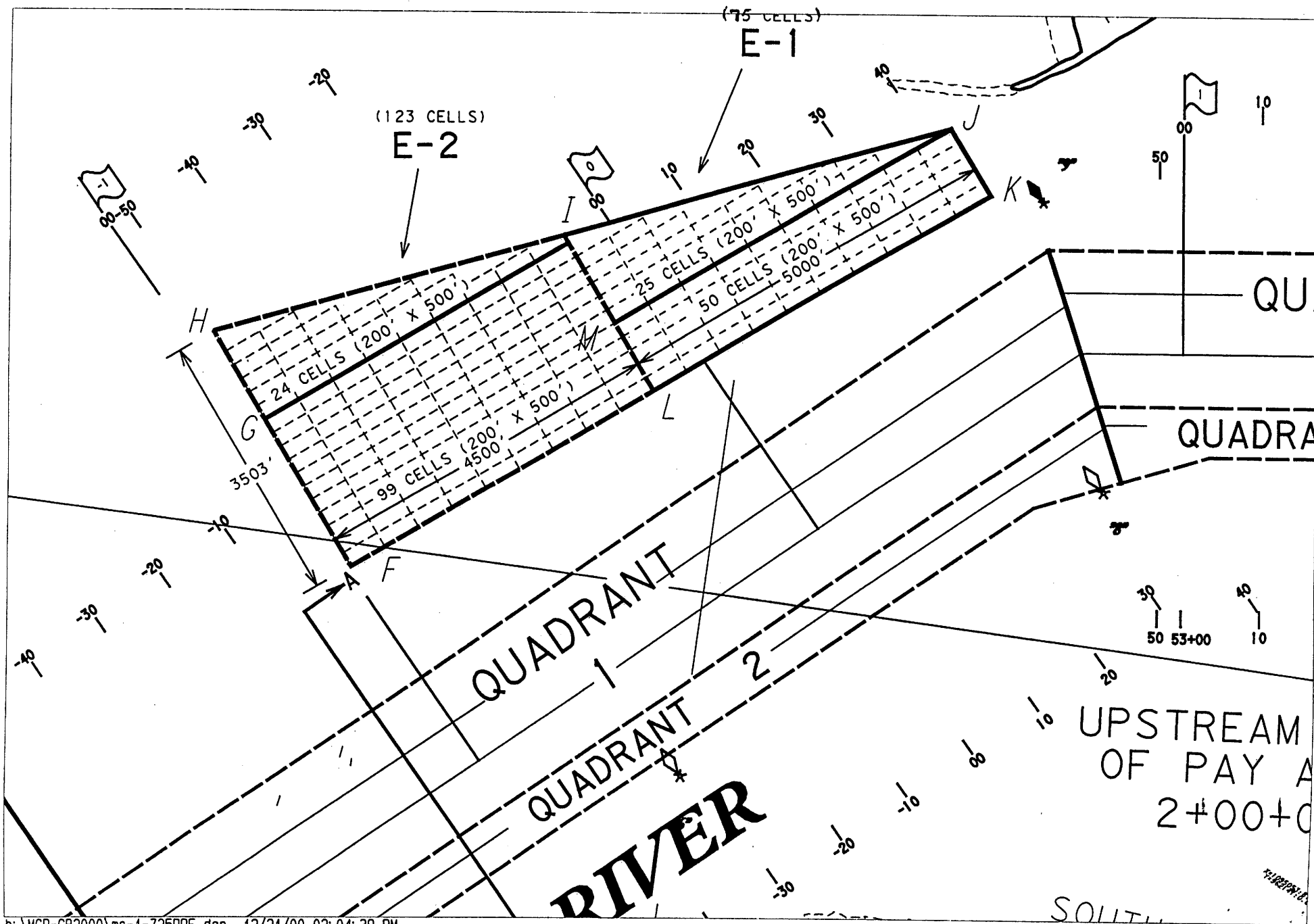


Fig 3



## CORPS OF ENGINEERS

### Placement Notes:

1. See Division 2, Section 02881, Paragraph 3.2, for placement site requirements and limitations.
2. The base quantity of 550,000 CY (Bid Item No. 0002) shall be placed in site E-2, before August 15, 2000. No more than six (6) loads shall be placed in each cell and total accumulation shall not exceed 5 feet in elevation. In the event that the entire 550,000 CY is not completed before 15 August 2000, or placement exceeds 5 feet in accumulation, the remaining material shall be placed in Area E-1, at the sole discretion of the Government. Placement shall be conducted as described in the notes below for that designated placement site.
3. If optional Bid Item No. 0003 is exercised for dredging an additional 500,000 CY of material, placement shall be in Area E-1 or E-2, at the sole discretion of the Government. No more than six (6) loads shall be placed in each cell and total accumulation shall not exceed 5 feet in elevation.
4. If optional Bid Item No. 0004 is exercised for dredging an additional 500,000 CY of material, placement shall be in Area E-1 or E-2, at the sole discretion of the Government. No more than six (6) loads shall be placed in each cell and total accumulation shall not exceed 5 feet in elevation.
5. For all placement options, the contractor is required to provide daily reporting information as stated in Section 01451, Paragraph 3.15.1.
6. No portion of any load may be deposited outside the outer boundaries of the disposal areas. Doing so would be considered misplaced material and a violation of the Marine Protection, Research, and Sanctuaries Act as stated in Section 02881.
7. For these placement operations, the contractor shall to the maximum extent possible, and within the operational constraints of the vessel, complete the majority of the disposal operation within the cell. For purposes of tracking the number of loads to each cell, the load shall be credited to a cell based on the beginning coordinates of the dump.
8. Under no circumstances shall material be placed in Area E-2 after August 15th.

X 1070,000

Y 960,000

PAY AREA	MAXIMUM DREDGING DEPTH (FEET)	ESTIMATED QUANTITY	PLACEMENT AREA
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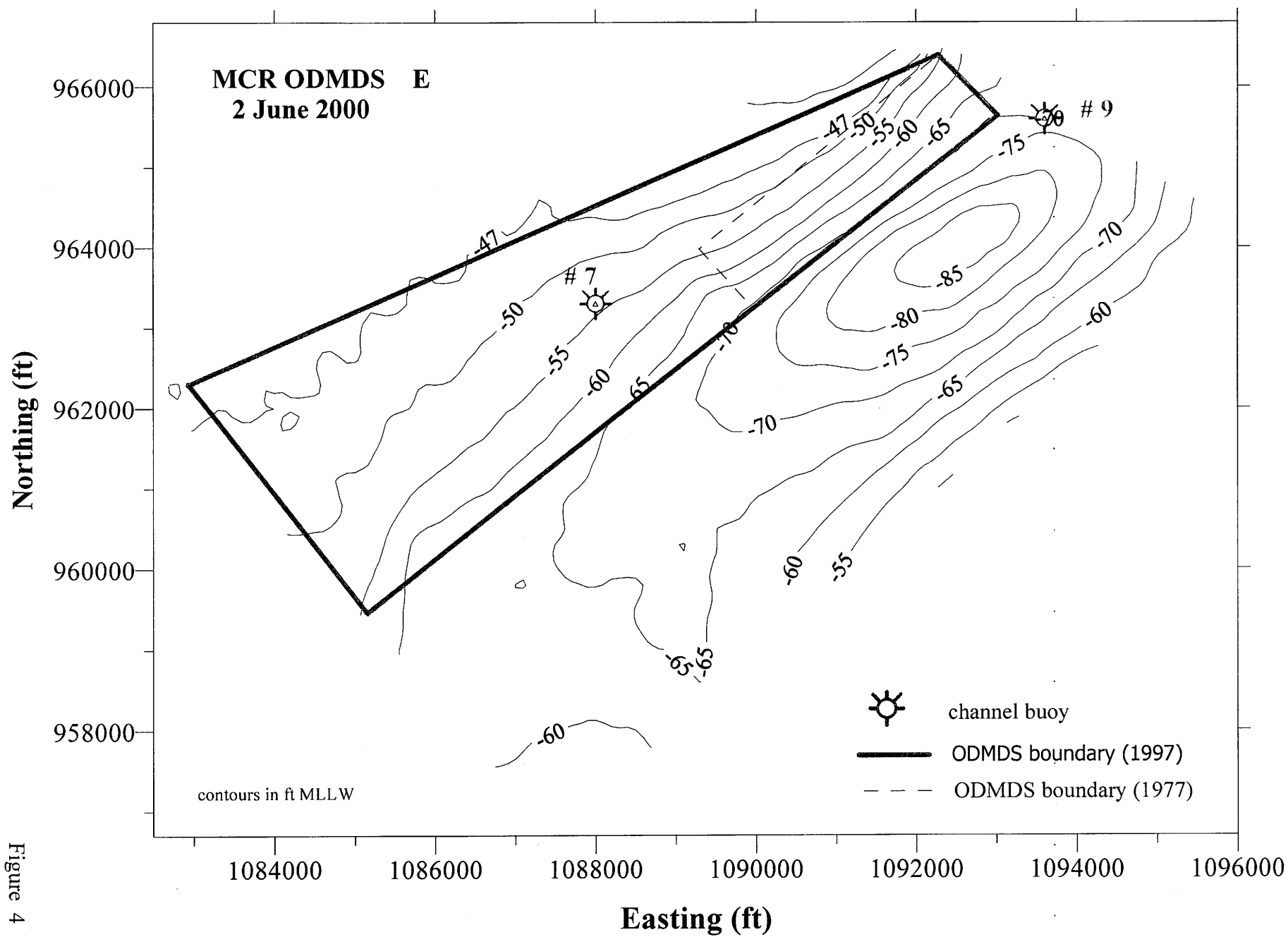


Figure 4



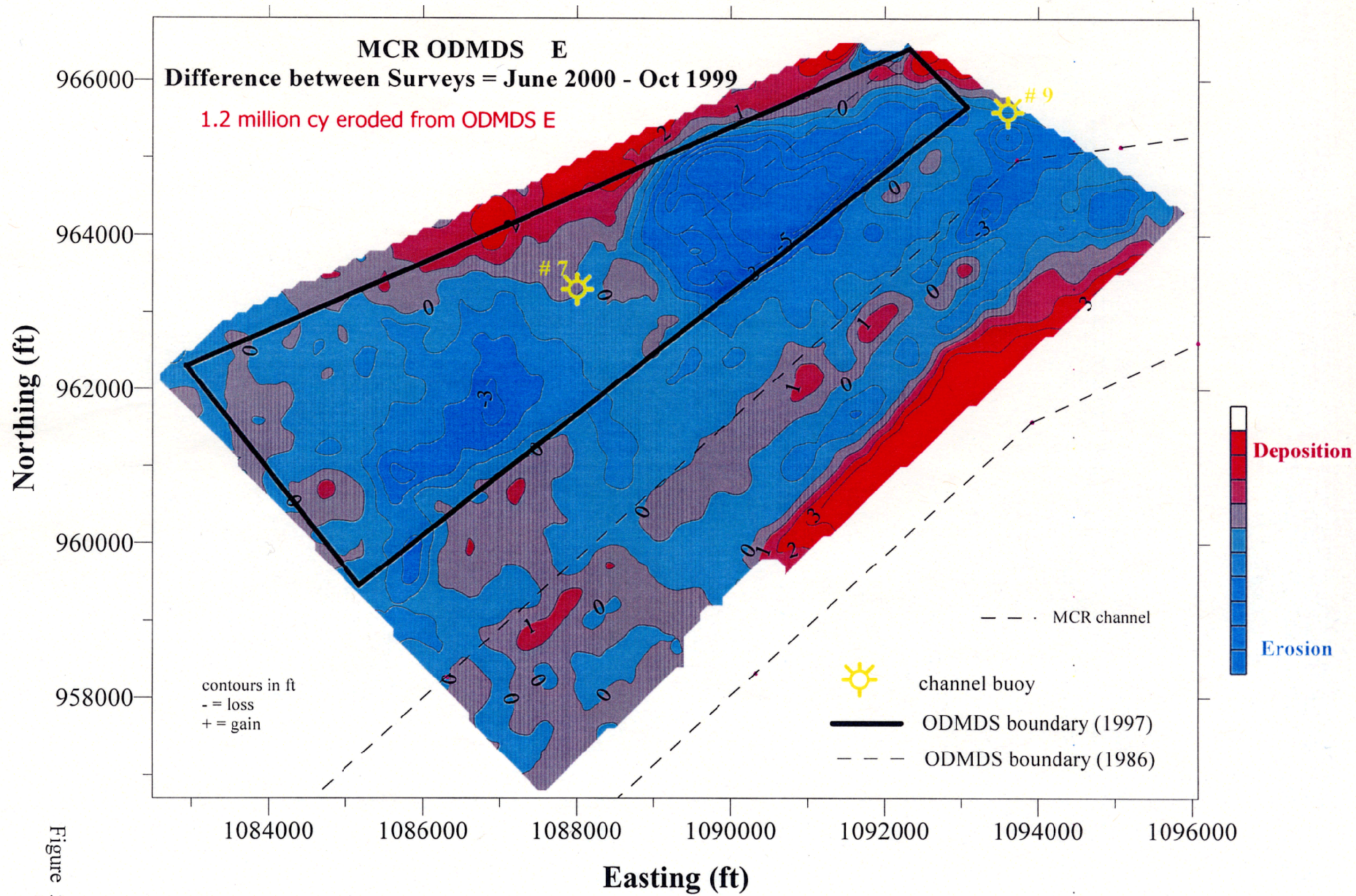


Figure 5



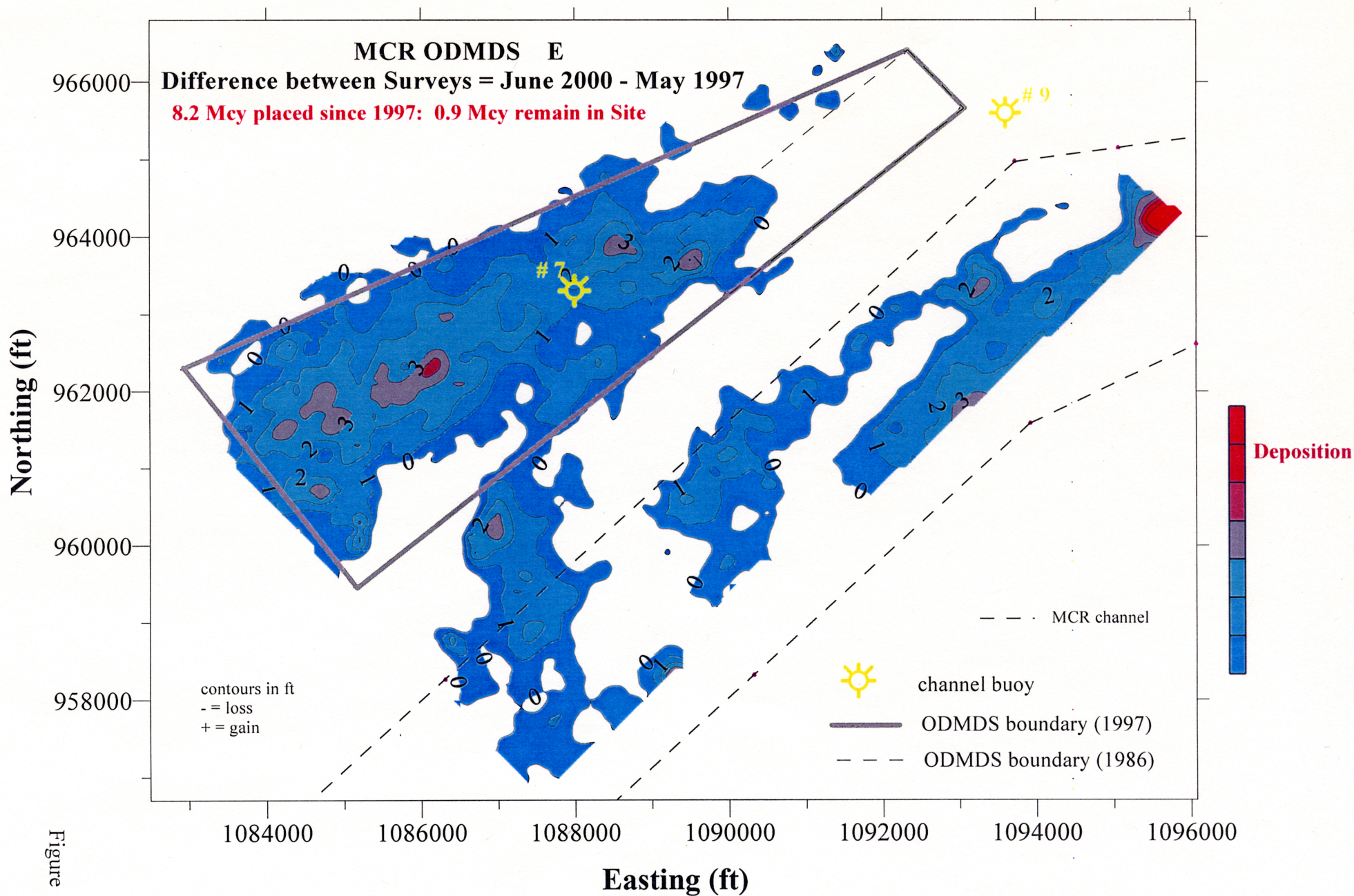


Figure 6



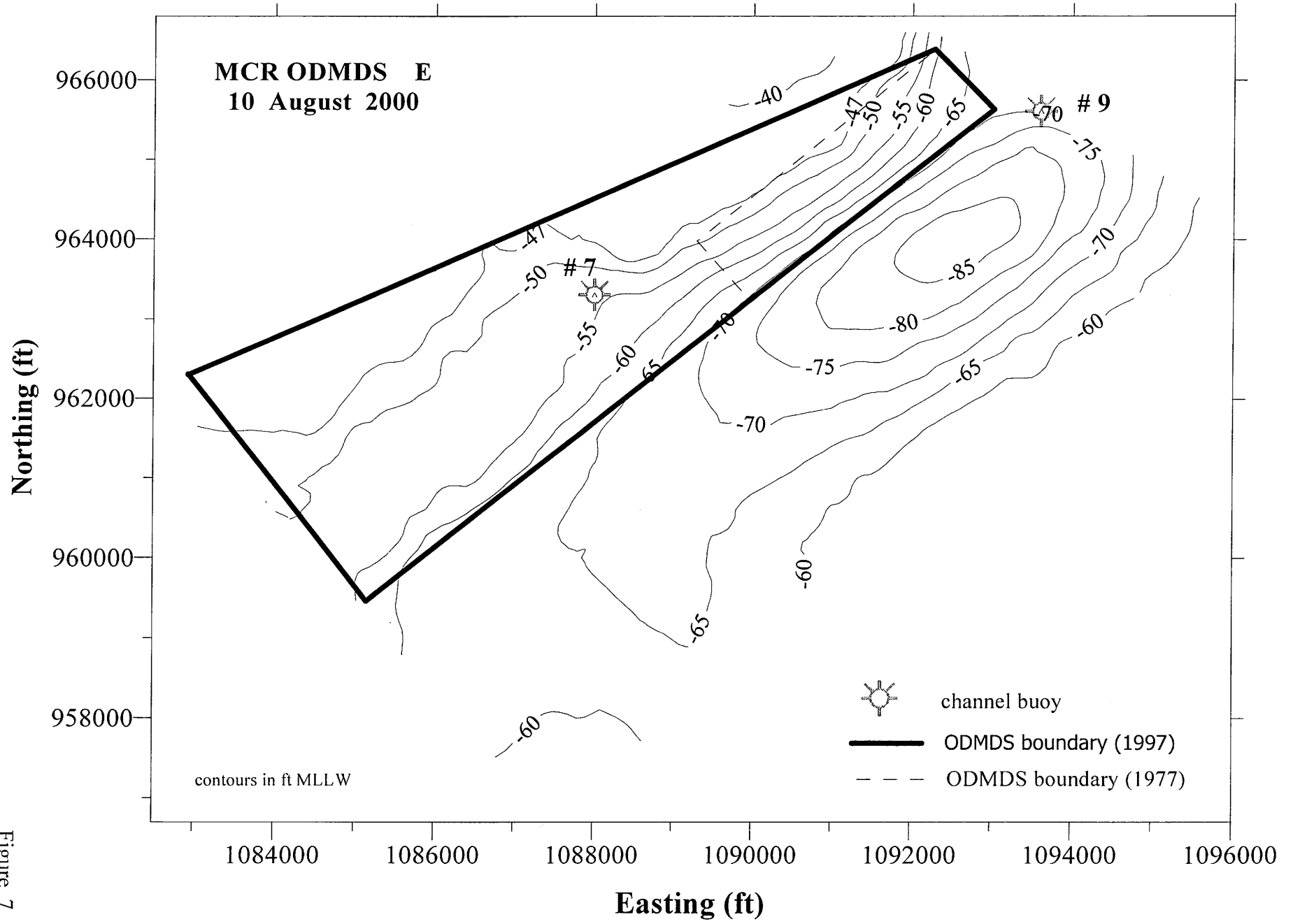


Figure 7



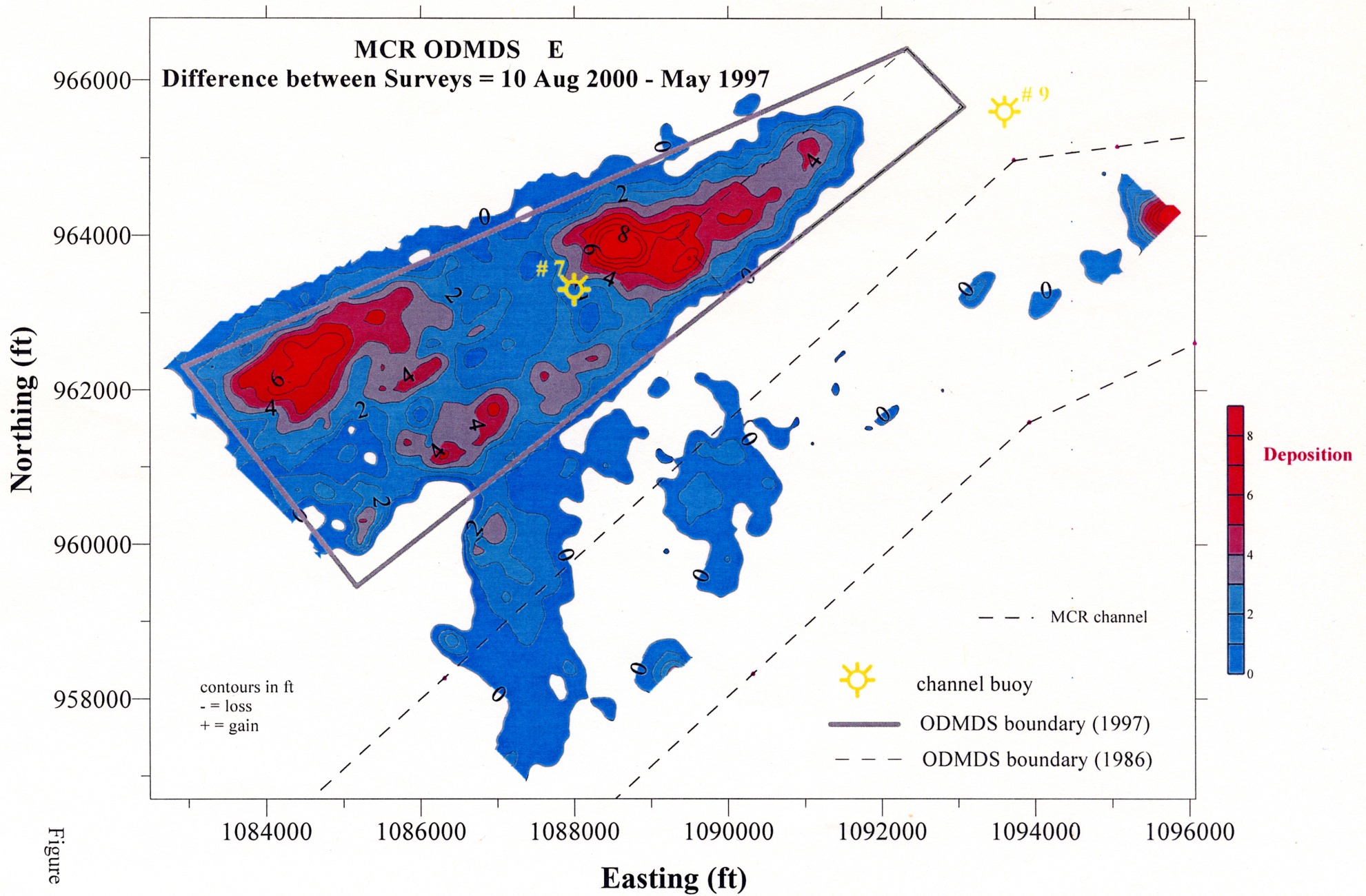


Figure 8



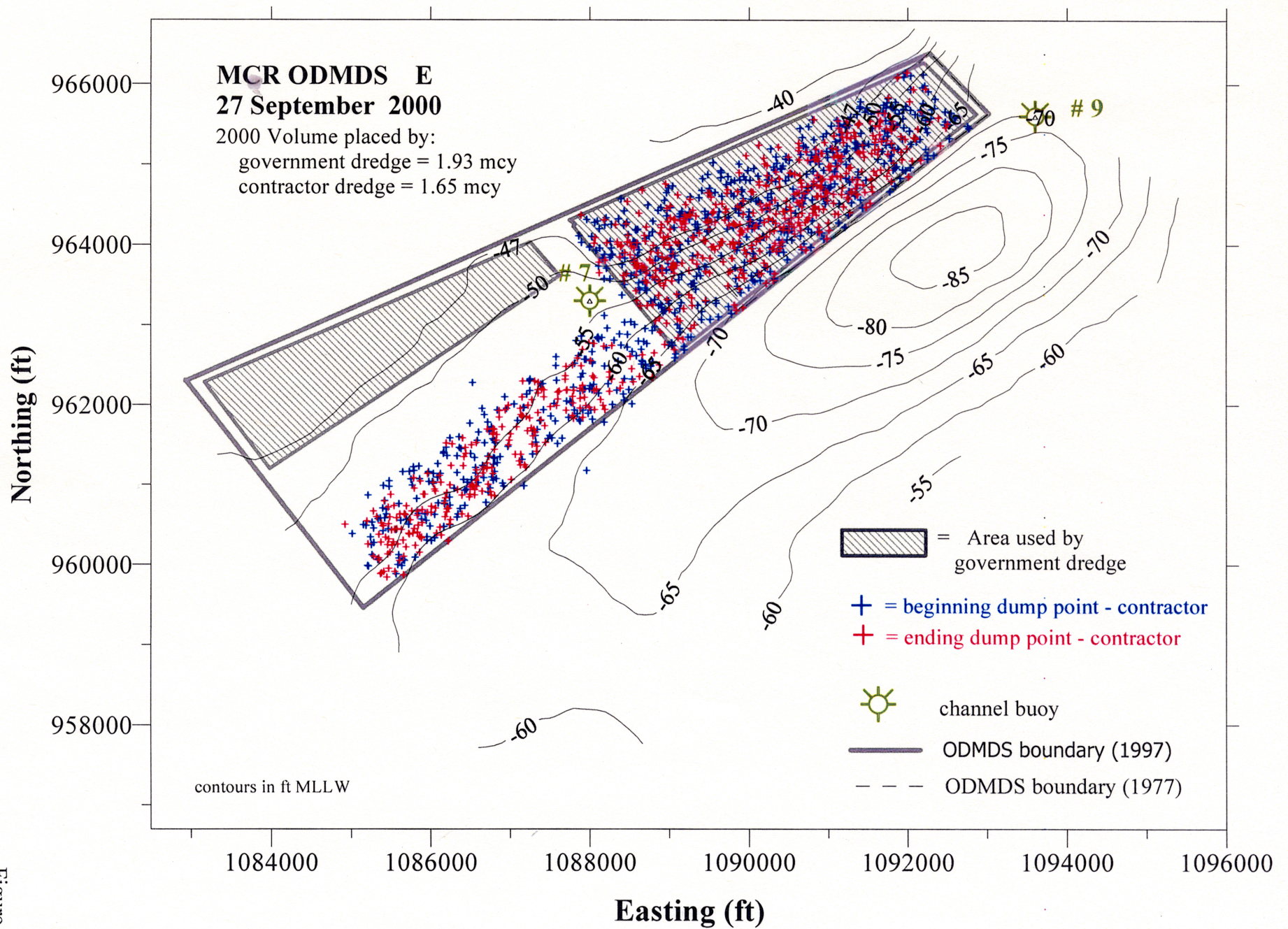


Figure 9



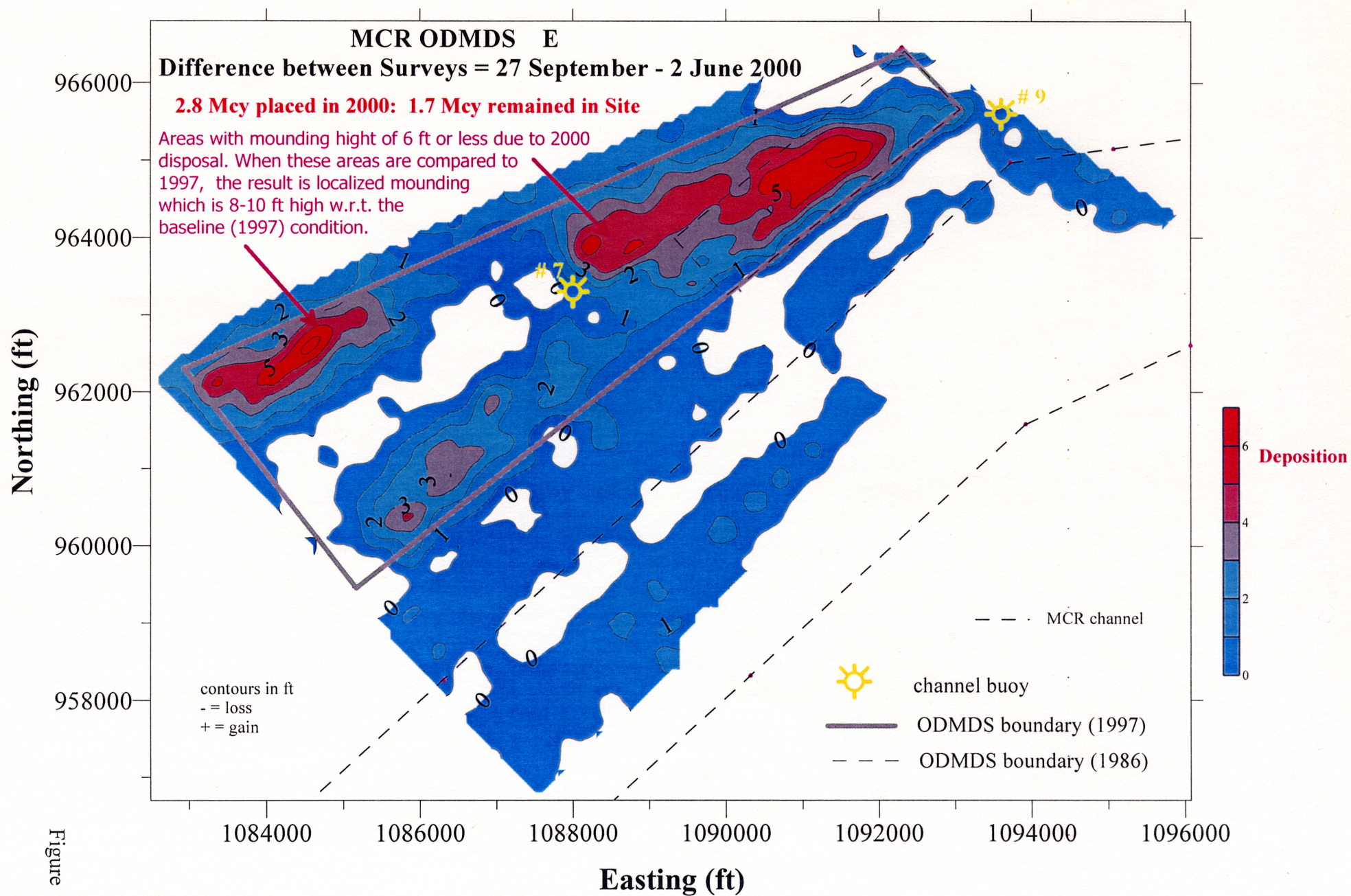


Figure 10